

What is claimed is:

1. A compressed digital music adapting apparatus for vehicles, the apparatus comprising:

5 a main body of an adaptor having a USB port and a cigarette-lighter charger port;
 a power regulator inside the main body of the adaptor for regulating a voltage; and
 an FM modulator/transmitter for modulating and transmitting compressed digital
music, wherein the FM modulator/transmitter is inside the main body of the adaptor
and is electrically coupled to the power regulator.

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2. The apparatus of claim 1, further comprising:

 a digital music player;

 a power switch for switching between the USB port and the cigarette-lighter
charger port; and

15 an audio switch for selecting between and transmitting the compressed digital
music to a first medium and a second medium.

3. The apparatus of claim 2, wherein the first medium comprises at least a speaker
or a headphone.

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4. The apparatus of claim 2, wherein the second medium comprises at least a
vehicular speaker.

5. The apparatus of claim 1, wherein the main body of the adaptor further
25 comprises an audio-in jack, wherein the audio-in jack is used to connect to an

audio-out plug of a digital music player.

6. The apparatus of claim 1, wherein the voltage is about 12 volts for the cigarette-lighter charger port.

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7. The apparatus of claim 1, wherein the voltage is about 5 volts or about 3 volts for the USB port.

8. The apparatus of claim 1, wherein the compressed digital music comprises an MP3 format, a CELP format, a WMA format, or an ACC format.

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9. An adapting apparatus, which docks a digital music player to a vehicle, the apparatus comprising:

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a main body of an adaptor having a USB port, a cigarette-lighter charger port, and an audio-in jack;

a power regulator inside the main body of the adaptor for regulating a voltage; and an FM modulator/transmitter for modulating and transmitting compressed digital music from the digital music player to the vehicle, wherein the FM modulator/transmitter is inside the main body of the adaptor and is electrically coupled to the power regulator.

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10. The apparatus of claim 9, wherein the vehicle further comprises an FM receiver for receiving the compressed digital music, and at least an amplifier for broadcasting the compressed digital music.

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11. The apparatus of claim 9, wherein the voltage is about 12 volts for the cigarette-lighter charger port.

12. The apparatus of claim 9, wherein the voltage is about 3 volts or about 5 volts
5 for the USB port.

13. The apparatus of claim 9, wherein the compressed digital music comprises an MP3 format, a CELP format, a WMA format, or an ACC format.

10 14. An adapting apparatus for compressed digital music, which can be used in a vehicle, the apparatus comprising:

a main body of an adaptor having a USB port and a cigarette-lighter charger port;

a digital music player inside the main body of the adaptor for transmitting compressed digital music;

15 an FM modulator/transmitter inside the main body of the adaptor for modulating and transmitting the compressed digital music;

a power regulator for regulating a voltage, wherein the power regulator is inside the main body of the adaptor and is electrically coupled to the FM modulator/transmitter;

20 a power switch for switching between the USB port and the cigarette-lighter charger port; and

an audio switch for selecting between and transmitting the compressed digital music to a first medium and a second medium.

25 15. The apparatus of claim 14, wherein the vehicle further comprises an FM

receiver for receiving the compressed digital music.

16. The apparatus of claim 14, wherein the first medium comprises at least a speaker or a headphone.

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17. The apparatus of claim 14, wherein the second medium comprises at least a vehicular speaker.

18. The apparatus of claim 14, wherein the voltage is about 12 volts for the cigarette-lighter charger port.

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19. The apparatus of claim 14, wherein the voltage is about 5 volts or about 3 volts for the USB port.

20. The apparatus of claim 14, wherein the compressed digital music comprises an MP3 format, a CELP format, a WMA format, or an ACC format.

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